CUBIT Capability Proposal

Technical Area
Geometry, Meshing, Infrastructure, GUI, Graphics, etc..

Technical Lead
Cubit Developer in charge of technical area

Infrastructure – Signal Handling	Darryl Melander

MRD Description
Describe the capability in terms of how a user would see it.

Extend current error handling to warn of impending exit and either allow data to be saved by the user or save data by default.

SRS Description
What needs to be done by Cubit developers to implement this capability? Break the tasks into steps if applicable. (Steps should be on the order of 2 man-weeks or more)

1. Add notification that Cubit is about to exit with errors responsible for the crash where possible. 2. Add either the option to save data before a forced exit or automate the save.

Justification
Describe why this is important and what impact it will have if it is implemented. (or not implemented).

This should greatly reduce the frequency of sudden exits (crashes). Users should not see Cubit and all it's windows suddenly simply close. By either extending the existing signal handling or introducing exception handling, the GUI should at least give the user some indication that an error has occurred and why. Additionally, Cubit should preserve the users work up to that point. (We may need to explore the impact of introducing exception handling on all the platforms.)

Resources
Who will work on this

Time estimate
How much time will it take in man-weeks

Targeted Release
10.2 (August 06), 10.3 (March 2007), 10.4 (August 2007), Future (beyond FY07)

Kevin Pendley	8 weeks	10.2 (August 06)

Submitted By: | **Date:**

Kevin Pendley	3/28/06